

TENNESSEE AIR POLLUTION CONTROL BOARD  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE, TENNESSEE 37243-1531



OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act

Date Issued:

Permit Number:

452194

Date Expires: October 1, 2012

Issued To:

LoJac Enterprises, Inc.

Installation Address:

Old Nashville Highway  
Three Miles Northwest of  
Murfreesboro

Installation Description:

Source 01: 400 ton/hour Drum Mix Asphalt  
Plant with Baghouse Control.

Emission Source Reference No.

75-0176  
NSPS

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated November 3, 1999 (with February 15, 2002 update) and is signed by Bryan Carr, Engineer for the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants. This permit does not cover any air contaminant source that does not conform to the conditions of this permit and the information given in the approved application.

(conditions continued on next page)

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

SECTION I: The following conditions shall apply to all sections of this permit unless otherwise noted. Conditions 2-15.

2. The permittee has elected to opt-out of being issued a major source operating permit pursuant to Division Rule 1200-3-9-.02(11)(a). The permittee would be considered a major source because their "potential to emit" value for carbon monoxide was greater than 100 tons per year at the time of application. The permittee has agreed to be subject to limitations in order to be below the major source applicability threshold for carbon monoxide of 100 tons per year.
3. Any non compliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability thresholds of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations, shall be reported in writing to the Technical Secretary within three (3) working days of such discovery. This notification, at a minimum, shall include the identification of the source(s), identification of the permit condition(s) violated and details of the non-compliance.
4. The permittee is placed on notice that **Conditions 16 and 17** of this permit contain limitations that allow the Permittee to opt out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the Permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.
5. Compliance with **Conditions 16 and 17** assures that this facility will be below the major source applicability threshold for carbon monoxide of 100 tons per year.

This assurance is based on AP-42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated December, 2000) from which the emission factors were used to calculate emissions as shown below:

Parameter	Based on use of Natural Gas or No. 2 fuel oil as fuel; Drum mix plant			
	AP-42 Table	Emission Factor, lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
Carbon Monoxide	11.1-7	0.13	227.8	32.5

6. The permittee shall submit a written report by March 31 of every year starting in 2004. In this report, the permittee shall state the compliance status of this facility with **Conditions 16 and 17** of this permit. This report shall cover the preceding calendar year and shall include the records required by **Condition 24**. The permittee shall mail this report to the following address:

Tennessee Division of Air Pollution Control  
Nashville Environmental Assistance Center  
711 R. S. Gass Blvd.  
Nashville, TN 37243

7. Should proof of compliance for the pollutant(s) with emission limitations placed on this permit be required, the emissions measuring test method(s) and procedure(s) are the following:

Pollutant or Parameter	Testing Methodology
Sulfur Dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A
Nitrogen Oxides	EPA Method 7 as published in the current 40 CFR 60, Appendix A
Sulfur Content of Fuels	EPA Method 19 as published in the current 40 CFR 60, Appendix A

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8. Visible emissions from roads and parking areas shall not exhibit greater than 10 percent opacity utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1. This condition is established pursuant to Rule 1200-3-8-.01(1) of the Tennessee Air Pollution Control Regulations.
9. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4. This condition is established pursuant to Rule 1200-3-8-.01(2) of the Tennessee Air Pollution Control Regulations.
10. Visible emissions from this facility not covered by **Conditions 8 and 9** shall not exhibit greater than 20 percent opacity as determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A. (6 minute average) This condition is established pursuant to Rule 1200-3-5-.03(6) of the Tennessee Air Pollution Control Regulations.
11. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.
12. The sources at this facility controlled by an air pollution control device shall not operate unless the control device is in operation. In the event a malfunction/failure of this control device occurs, the operation of the process controlled by this control device shall be regulated by the provisions of Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
13. This permit is valid only at this location.
14. The issuance of this permit supersedes any permit(s) previously issued for this air contaminant facility.
15. The permittee shall apply for renewal of this permit not less than 60 days prior to the permit's expiration date pursuant to Division Rule 1200-3-9-.02(3).

SECTION II: SOURCE SPECIFIC CONDITIONS
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75-0176-01: 400 ton/hr Drum Mix Asphalt Plant with Baghouse Control. NSPS. Conditions 16-24 apply to Source 75-0176-01.
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16. Only No. 2 fuel oil and natural gas shall be used as fuels for this source.
17. Production rate for this source shall not exceed 400 tons per hour on a daily average basis and 500,000 tons during all intervals of twelve (12) consecutive months. Compliance with this requirement may be indicated by the records required by **Condition 24**.
18. Particulate Matter (TSP) emitted from this source shall not exceed 0.04 grain per dry standard cubic foot of stack gases and 13.7 pounds per hour. This condition is established pursuant to Rule 1200-3-16-.08(3)(a) of the Tennessee Air Pollution Control Regulations.
19. Sulfur Dioxide (SO<sub>2</sub>) emitted from this source shall not exceed 4.4 pounds per hour on a daily average basis. This condition is established pursuant to Rule 1200-3-14-.03(5) of the Tennessee Air Pollution Control Regulations.

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# DRAFT PERMIT

20. Carbon Monoxide (CO) emitted from this source shall not exceed 52.0 pounds per hour on a daily average basis. This condition is established pursuant to Rule 1200-3-7-.07(2) of the Tennessee Air Pollution Control Regulations.
21. Volatile Organic Compounds (VOC) emitted from this source shall not exceed 12.8 pounds per hour on a daily average basis. This condition is established pursuant to Rule 1200-3-7-.07(2) of the Tennessee Air Pollution Control Regulations.
22. Nitrogen Oxides (NOx) emitted from this source shall not exceed 22.0 pounds per hour on a daily average basis. This condition is established pursuant to Rule 1200-3-7-.07(2) of the Tennessee Air Pollution Control Regulations.
23. Compliance with the emission limits in **Conditions 19, 21 and 22** is based on compliance with **Conditions 16 and 17** of this permit and AP-42, Chapter 11, Section 1, emission factors.
24. The permittee shall maintain a record of the type of fuel used (natural gas, No. 2 fuel oil), operating hours, and asphalt production at this source, in a form that readily provides the information required in the following tables. The permittee shall retain this record at the source location for a period of not less than five (5) years and keep this record available for inspection by the Technical Secretary or his representative.

## MONTHLY LOG: Source 75-0176-01

Month: _____ Year: _____									
Date	Type of Fuel Used	Hours of Operation	Production (tons)	Daily Average Production Rate (tons/hr)	Date	Type of Fuel Used	Hours of Operation	Production (tons)	Daily Average Production Rate (tons/hr)
1					17				
2					18				
3					19				
4					20				
5					21				
6					22				
7					23				
8					24				
9					25				
10					26				
11					27				
12					28				
13					29				
14					30				
15					31				
16									
					Total				

## YEARLY LOG: Source 75-0176-01

Year: _____					
Month	Production (tons/month)	Production (tons/12 consecutive months)	Month	Production (tons/month)	Production (tons/12 consecutive months)
January			July		
February			August		
March			September		
April			October		
May			November		
June			December		

The Tons per 12 consecutive month value is the sum of the Production (in tons) in the 11 months preceding the month just completed + the Production (in tons) in the month just completed.

(end of conditions)